GEOMETRICIAN'S VIEWS

TOPIC: Fractal

Mathematical View

Erasmus+ 2021-2023   Geometrician's Views

A fractal is a geometrical figure in which each part has the same characteristic of the whole figure. Fractals are typically in recurring patterns where the objects progressively become smaller. An example of a fractal-like pattern would be a snowflake or a tree
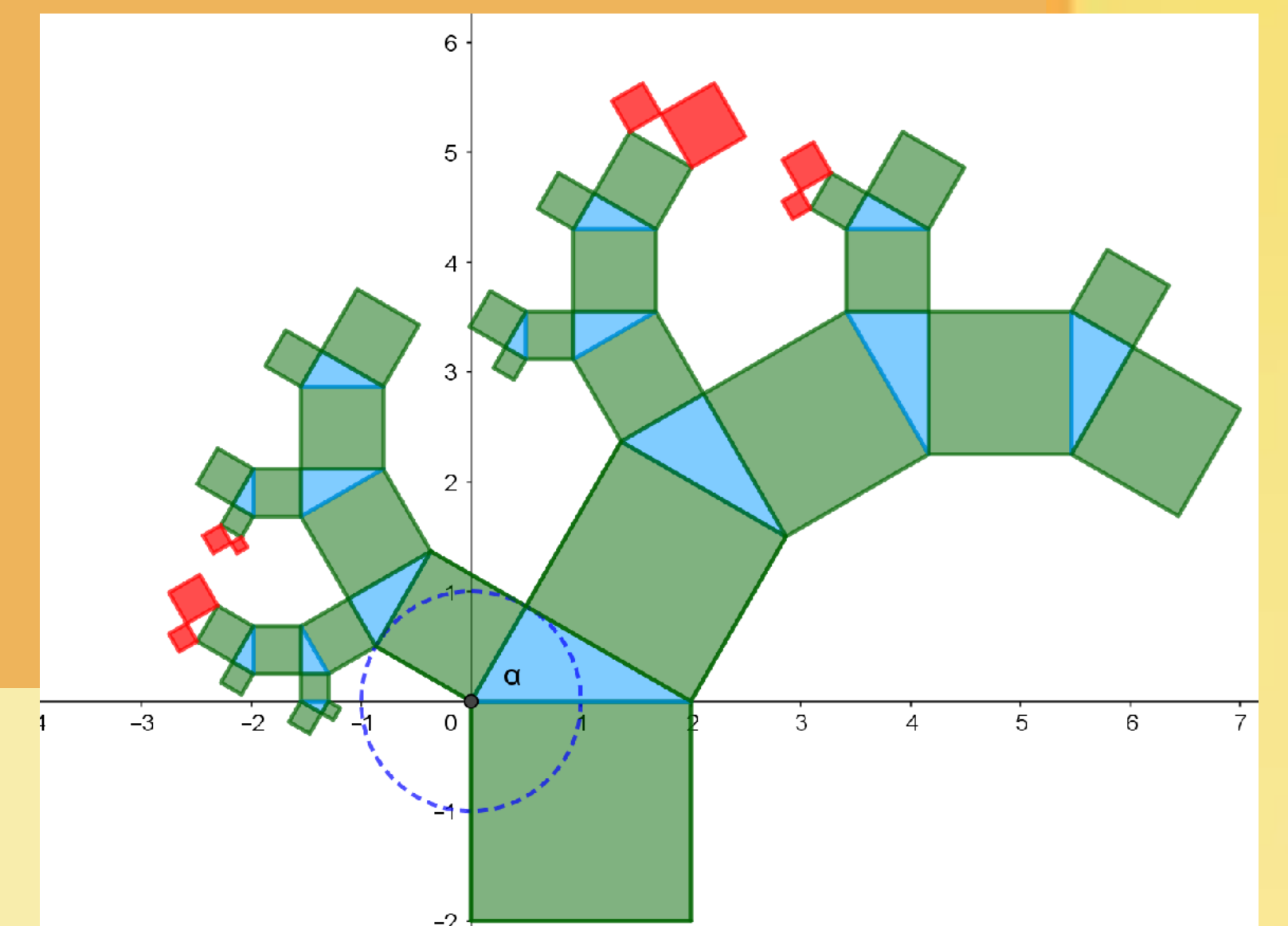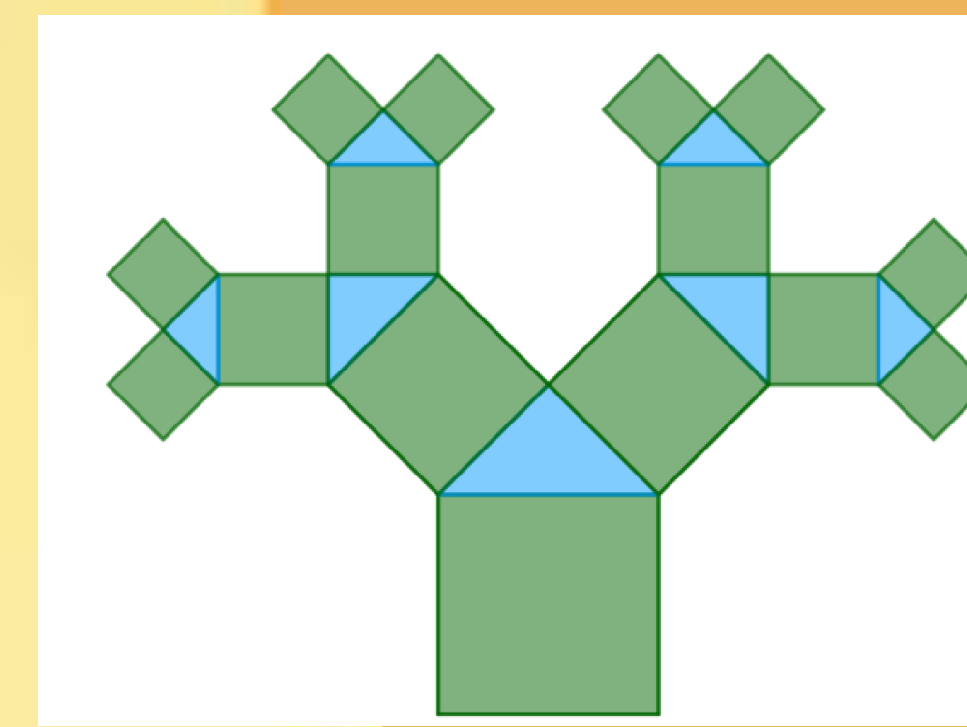
Researcher
Emilios Vlastos

Artistic View

Illusions
Studends designed and colored on many fractals
They are also worked
with geogebra;s platform apps
Artist

Athina Kanata, Filio Bechraki

Common View

The Pythagoras tree is a plane fractal constructed from squares. The construction of the Pythagoras tree begins with a square. Upon this square are constructed two squares, each scaled down by a linear factor of sinα , such that the corners of the squares coincide pairwise. The same procedure is then applied recursively to the two smaller squares, ad infinitum.

GENIKO LYKEIO PROASTIOY KARDITSAS

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